

AMENDMENTS TO THE DRAWINGS:

Figure 17 was filed on June 10, 2004, on three separate pages, each labeled "Figure 17." The replacement sheets filed herein represent Figure 17 on three sheets labeled "Figure 17," "Figure 17 (cont.)," and "Figure 17 (cont.)." Figure 18 was filed on June 10, 2004, on two separate pages, each labeled "Figure 18." The replacement sheets filed herein represent Figure 18 on two sheets labeled "Figure 18" and "Figure 18 (cont.)."

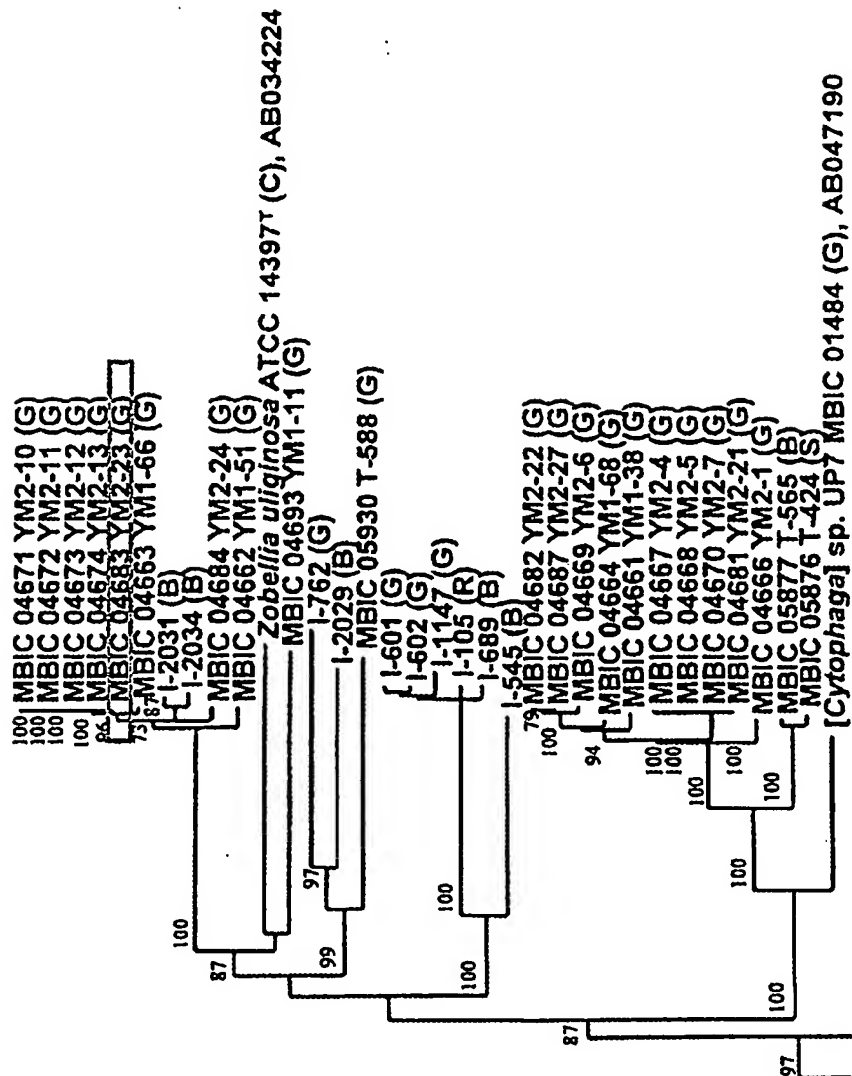


REPLACEMENT DRAWING

Fig. 17

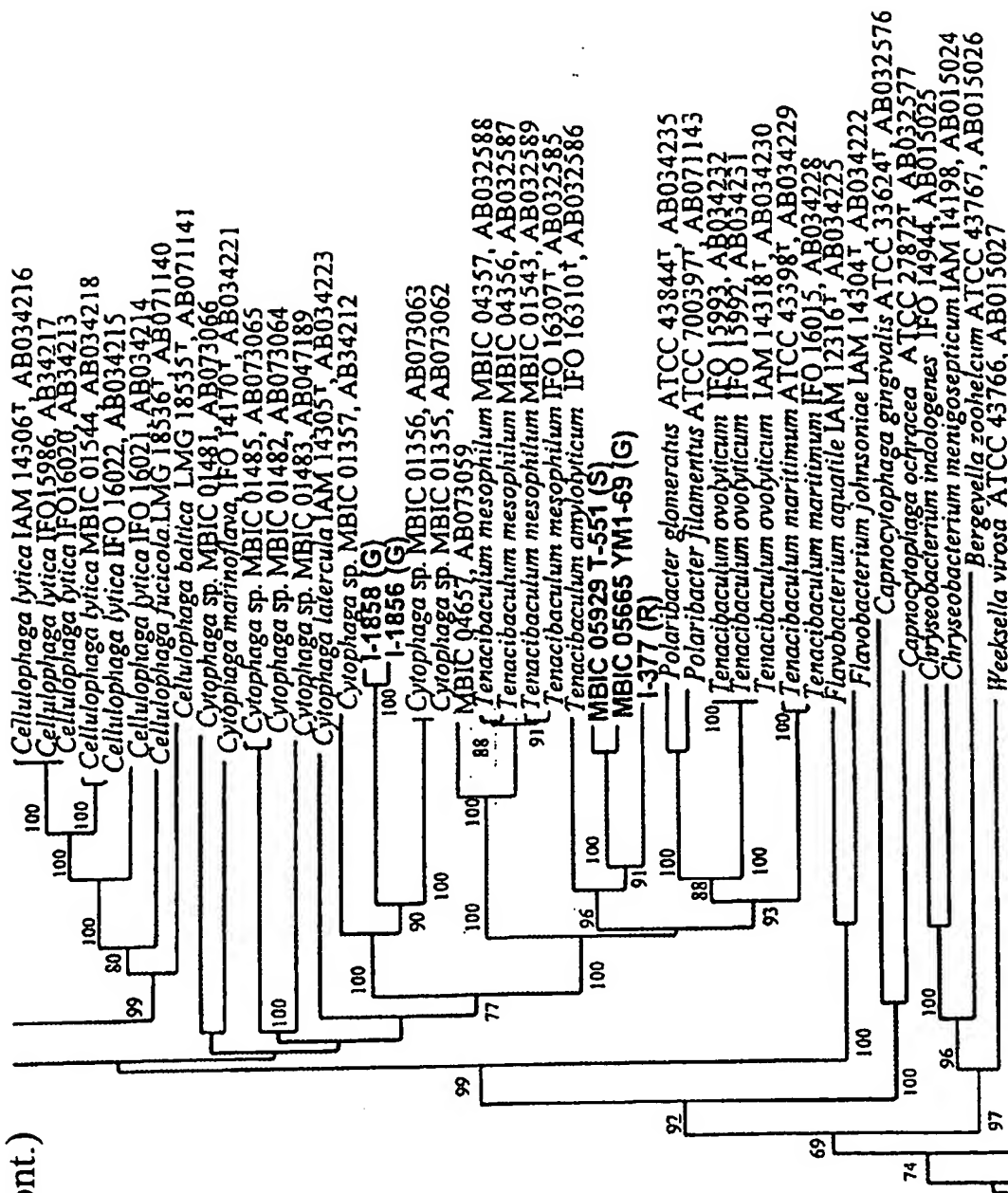
gyrB DNA
1143-1191 bp

0.1



REPLACEMENT DRAWING

Fig. 17 (cont.)



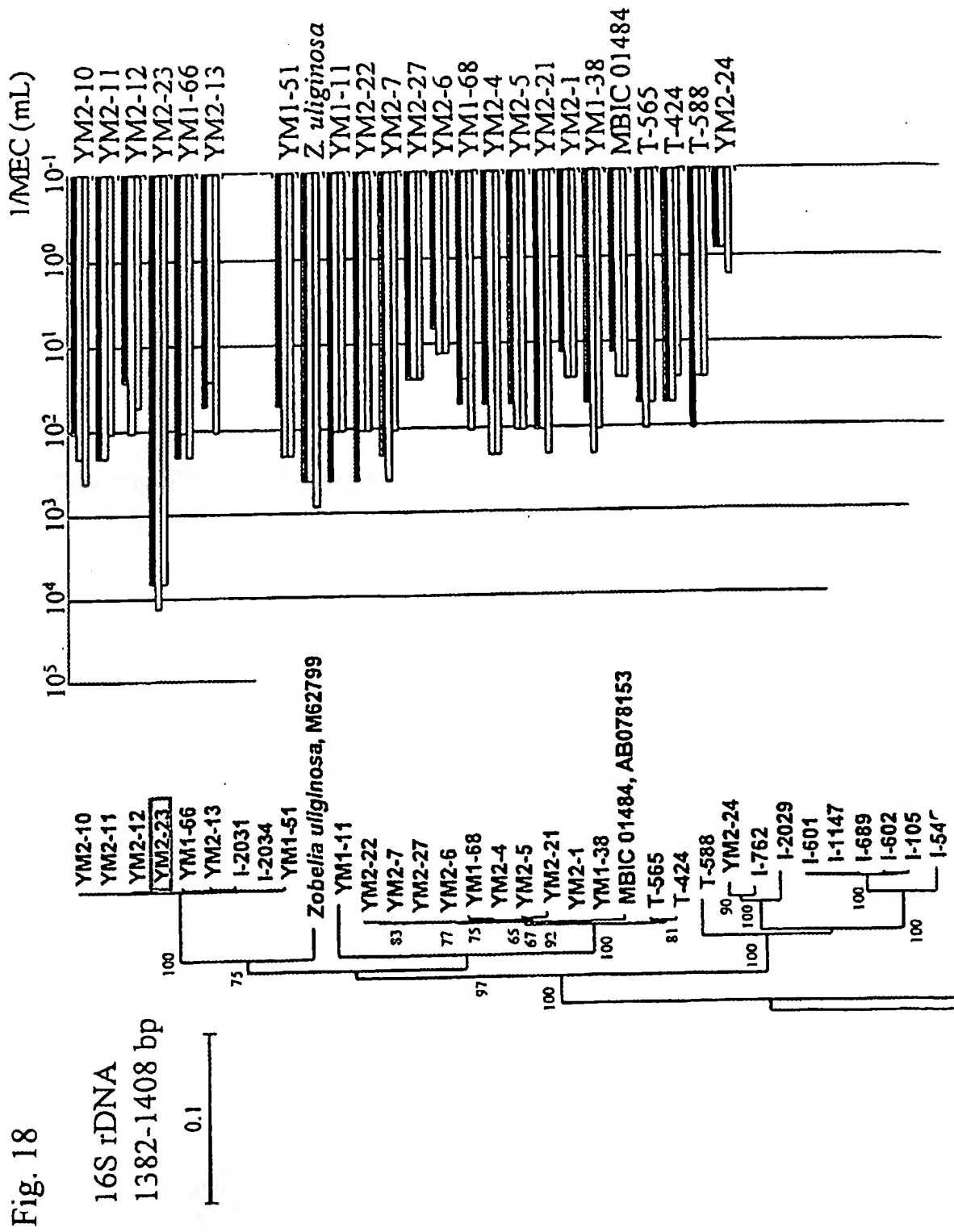
Phylogenetic tree showing relationships between various bacterial species, primarily *Cytophaga* and related genera, based on 16S rDNA sequences. The tree is rooted at the bottom left. Bootstrap values are indicated at the nodes. The scale bar represents 100 nucleotide substitutions per site.

Species and their corresponding accession numbers (in parentheses) are listed on the right side of the tree:

- Cytophaga fermentans* IFO 15936^T, AB01531
- Pedobacter heparinus* IFO 12017^T (C), AB015035
- Sphingobacterium spiritivorum* IAM 14210^T, AB015036
- Flammeovirga aprica* ATCC 23126^T, AB034220
- Cytophaga hutchinsonii* IAM 12607^T, AB015037
- Cytophaga aurantiaca* IFO 16043, AB015038
- Flexibacter litoralis* ATCC 23117^T, AB034233
- MBIC 05879 T-561 (R)*
- Cyclobacterium marinum* LMG 13164 (C), AB071142
- Cytophaga* sp. MBIC 01539 (S), AB073068
- Cytophaga* sp. MBIC 01599 (S), AB073069
- Bacteroides fragilis* ATCC 25285^T, AB073070
- Bacteroides vulgatus* IFO 14291^T, AB015029
- Persicobacter diffluentis* IAM 14117^T, AB034219
- Flexibacter elegans* IFO 15055^T, AB032580
- Flexibacter flexilis* IFO 15060^T, AB032583
- Flavobacterium ferrugineum* IFO 14992^T, AB073076
- Chitinophaga pinensis* DSM 2588 (C), AB073077
- Escherichia coli* K12, X04341

Fig. 17 (cont.)

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